

CLAIMS

14. *functional*
11229 A dispenser of objects comprising a body (1) forming a reservoir (2) intended for storing objects (8) that are to be dispensed, an outlet passage (22) for said objects, arranged at an end of the reservoir (2) and a returned translation means (12) capable of performing a reciprocating movement with respect to the reservoir (2) so as to release a determined number of objects (8) during each outward and return stroke of translational movement, characterized in that said returned translation means is arranged in the form of a flexible shape-memory membrane (12) pierced with a calibrated opening (17), making it possible both to exert the return force that allows reciprocating translational movement and, by cooperating with a thrust means (18) to control and dispense said objects (8).
15. A dispenser according to claim 14, wherein the thrust means (18) comprises a fixed element situated toward the outlet passage (22) near where the object or objects (8) to be dispensed lie, the returned translation means (12) moving alternately closer to and away from the fixed element, so that the fixed element pushes said object or objects (8) to be dispensed.
- A* 16. A dispenser according to claim 14, wherein if the object to be dispensed is in the shape of a ball, the opening (17) has a diameter slightly smaller than the diameter of the ball, and is surrounded by a flexible lip (17a) to allow the object to pass.
17. *11229* A dispenser according to claim 14, wherein the returned translation means (12) is a flexible membrane that can be deformed elastically, in the form of a flexible cup, the edge of which is fixed to the end of the reservoir (2).
18. A dispenser according to claim 17, wherein the flexible cup is made of an elastomeric material.
19. A dispenser according to claim 15, characterized in that the fixed element is an elongate piece secured to the end of the body and placed more or less facing the opening (17) in the returned translation means (12).
20. A dispenser according to claim 19, wherein the fixed element has a chamfered face (19) and is cut to a point (21), so as to be shaped as the object to be dispensed.

21. A dispenser according to claim 15, wherein the fixed element and the opening (17) in the returned translational means (12) are arranged centrally with respect to the end of the reservoir (2).
22. A dispenser according to claim 15 wherein the outlet passage (22) is defined by the interior face of the flexible cup and by the exterior surface (19) of the fixed element.
23. A dispenser according to claim 14, wherein it comprises a receptacle (23) intended to receive the dispensed object or objects (8), and also forming a cap.
24. A dispenser according to claim 23, wherein the receptacle (23) slides with respect to the reservoir (2) and has one or more internal projections (28) which press against, push, and elastically deform the flexible cup toward the fixed element.
25. A dispenser according to claim 14, wherein it comprises a removable safety device (29), intended to prevent access to the returned translation means and any movement of said returned translation means (12).
26. A dispenser according to claim 14, intended to dispense pills, tablets or sweeteners.
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